

### Abstract of Disclosure

It is an object to provide an apparatus in which measurement of a bit error rate of a transmission network that is used for digital broadcasting is capable of being executed during the time that actual broadcasting of the digital broadcasting is performed, namely the measurement is executed during the time that the transmission network is used.

A bit error measurement apparatus is provided with a NULL packet extraction circuit 42 for extracting a NULL packet whose whole data of a payload should be 0 from packets transmitted through transmission network 30, a data comparison section 44 for comparing the data of the payload of the NULL packet to comparison data 0 that should be a value of the data of the payload of the NULL packet, and an error counter 46 for counting error while judging the data as error when result of comparison is disagreement. The bit error measurement apparatus is capable of measuring the bit error while extracting the NULL packet during the time that the packet is transmitted through the transmission network 30, therefore, it is possible to measure the bit error during the time that the transmission network is used.

Figure 1